

20427 U.S. PTO
032304

PTO/SB/05 (01-04)

Approved for use through 07/31/2006. OMB 0651-0032
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UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No. 1174.195
First Inventor Mark S. Lutz
Title Refiner Sensor & Coupling
Express Mail Label No. EV313042268US

2214 U.S. PTO
10/808222

032304

APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

ADDRESS TO:

Mail Stop Patent Application
Commissioner for Patents
P.O. Box 1450
Alexandria VA 22313-1450

1. ☒ Fee Transmittal Form (e.g., PTO/SB/17)
(Submit an original and a duplicate for fee processing)
2. ☐ Applicant claims small entity status.
See 37 CFR 1.27.
3. ☒ Specification [Total Pages 27]
(preferred arrangement set forth below)
 - Descriptive title of the invention
 - Cross Reference to Related Applications
 - Statement Regarding Fed sponsored R & D
 - Reference to sequence listing, a table, or a computer program listing appendix
 - Background of the Invention
 - Brief Summary of the Invention
 - Brief Description of the Drawings (if filed)
 - Detailed Description
 - Claim(s)
 - Abstract of the Disclosure
4. ☒ Drawing(s) (35 U.S.C. 113) [Total Sheets 8]
5. Oath or Declaration [Total Sheets]
 - a. ☐ Newly executed (original or copy)
 - b. ☐ Copy from a prior application (37 CFR 1.63(d))
(for continuation/divisional with Box 18 completed)
 - i. ☐ **DELETION OF INVENTOR(S)**
Signed statement attached deleting inventor(s) name in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).
6. ☐ Application Data Sheet. See 37 CFR 1.76

7. ☐ CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)
8. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)
 - a. ☐ Computer Readable Form (CRF)
 - b. Specification Sequence Listing on:
 - i. ☐ CD-ROM or CD-R (2 copies); or
 - ii. ☐ Paper
 - c. ☐ Statements verifying identity of above copies

ACCOMPANYING APPLICATION PARTS

9. ☐ Assignment Papers (cover sheet & document(s))
10. ☐ 37 CFR 3.73(b) Statement ☐ Power of Attorney
(when there is an assignee)
11. ☐ English Translation Document (if applicable)
12. ☐ Information Disclosure Statement (IDS)/PTO-1449 ☐ Copies of IDS Citations
13. ☐ Preliminary Amendment
14. ☐ Return Receipt Postcard (MPEP 503)
(Should be specifically itemized)
15. ☐ Certified Copy of Priority Document(s)
(if foreign priority is claimed)
16. ☐ Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.
17. ☐ Other:

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in the first sentence of the specification following the title, or in an Application Data Sheet under 37 CFR 1.76:

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No.:

Prior application information:

Examiner

Art Unit:

For CONTINUATION OR DIVISIONAL APPS only; The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

19. CORRESPONDENCE ADDRESS

☒ Customer Number: 23,598 OR ☐ Correspondence address below

Name David D. Stein
Address Boyle, Fredrickson, Newholm, Stein & Gratz
250 East Wisconsin Avenue, Suite 1030
City Milwaukee State WI Zip Code 53202
Country USA Telephone 414-225-9755 Fax 414-225-9753

Name (Print/Type) David D. Stein Registration No. (Attorney/Agent) 40,828
Signature [Signature] Date March 23, 2004

This collection of information is required by 37 CFR 1.53(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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FEE TRANSMITTAL for FY 2004

Effective 10/01/2003. Patent fees are subject to annual revision.

☐ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$) 770

Complete if Known

Application Number
Filing Date
First Named Inventor Mark S. Lutz
Examiner Name
Art Unit
Attorney Docket No. 1174.195

METHOD OF PAYMENT (check all that apply)

☐ Check ☐ Credit card ☐ Money Order ☐ Other ☐ None

☒ Deposit Account:

Deposit Account Number 50-11701
Deposit Account Name Boyle, Fredrickson, Newholm

The Director is authorized to: (check all that apply)

☒ Charge fee(s) indicated below ☒ Credit any overpayments

☒ Charge any additional fee(s) or any underpayment of fee(s)

☐ Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

FEE CALCULATION

1. BASIC FILING FEE

| Large Entity Fee Code (\$) | Small Entity Fee Code (\$) | Fee Description | Fee Paid |
|----------------------------|----------------------------|------------------------|-----------|
| 1001 770 | 2001 385 | Utility filing fee | 770 |
| 1002 340 | 2002 170 | Design filing fee | |
| 1003 530 | 2003 265 | Plant filing fee | |
| 1004 770 | 2004 385 | Reissue filing fee | |
| 1005 160 | 2005 80 | Provisional filing fee | |
| SUBTOTAL (1) | | | (\$) 770 |

2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

| | | Extra Claims | | Fee from below | Fee Paid |
|--------------------|----|--------------|---|----------------|----------|
| Total Claims | 20 | -20** = | 0 | X | 0 |
| Independent Claims | 3 | -3** = | 0 | X | 0 |
| Multiple Dependent | | | | | 0 |

| <u>Large Entity</u> | | <u>Small Entity</u> | | <u>Fee Description</u> |
|---------------------|----------|---------------------|----------|--|
| Fee Code | Fee (\$) | Fee Code | Fee (\$) | |
| 1202 | 18 | 2202 | 9 | Claims in excess of 20 |
| 1201 | 86 | 2201 | 43 | Independent claims in excess of 3 |
| 1203 | 290 | 2203 | 145 | Multiple dependent claim, if not paid |
| 1204 | 86 | 2204 | 43 | ** Reissue independent claims over original patent |
| 1205 | 18 | 2205 | 9 | ** Reissue claims in excess of 20 and over original patent |

**or number previously paid, if greater; For Reissues, see above

FEE CALCULATION (continued)

3. ADDITIONAL FEES

Large Entity Small Entity

| Fee Code (\$) | Fee Code (\$) | Fee Code (\$) | Fee Code (\$) | Fee Description | Fee Paid |
|---------------|---------------|---------------|---------------|--|----------|
| 1051 130 | 2051 65 | 1052 50 | 2052 25 | Surcharge - late filing fee or oath | |
| 1053 130 | 1053 130 | 1812 2,520 | 1812 2,520 | Surcharge - late provisional filing fee or cover sheet | |
| 1804 920* | 1804 920* | 1805 1,840* | 1805 1,840* | Non-English specification | |
| 1805 1,840* | 1805 1,840* | 2251 55 | 2251 55 | For filing a request for <i>ex parte</i> reexamination | |
| 1251 110 | 2251 55 | 2252 210 | 2252 210 | Requesting publication of SIR prior to Examiner action | |
| 1252 420 | 2252 210 | 2253 475 | 2253 475 | Requesting publication of SIR after Examiner action | |
| 1253 950 | 2253 475 | 2254 740 | 2254 740 | Extension for reply within first month | |
| 1254 1,480 | 2254 740 | 2401 165 | 2401 165 | Extension for reply within second month | |
| 1255 2,010 | 2255 1,005 | 2402 165 | 2402 165 | Extension for reply within third month | |
| 1401 330 | 2401 165 | 2403 145 | 2403 145 | Extension for reply within fourth month | |
| 1402 330 | 2402 165 | 1451 1,510 | 1451 1,510 | Extension for reply within fifth month | |
| 1403 290 | 2403 145 | 1452 110 | 1452 110 | Notice of Appeal | |
| 1451 1,510 | 1451 1,510 | 1453 1,330 | 1453 1,330 | Filing a brief in support of an appeal | |
| 1452 110 | 1452 110 | 1501 1,330 | 1501 1,330 | Request for oral hearing | |
| 1453 1,330 | 1453 1,330 | 1502 480 | 1502 480 | Petition to institute a public use proceeding | |
| 1501 1,330 | 1501 1,330 | 1503 640 | 1503 640 | Petition to revive - unavoidable | |
| 1502 480 | 1502 480 | 1460 130 | 1460 130 | Petition to revive - unintentional | |
| 1503 640 | 1503 640 | 1807 50 | 1807 50 | Utility issue fee (or reissue) | |
| 1460 130 | 1460 130 | 1806 180 | 1806 180 | Design issue fee | |
| 1807 50 | 1807 50 | 8021 40 | 8021 40 | Plant issue fee | |
| 1806 180 | 1806 180 | 1809 770 | 1809 770 | Petitions to the Commissioner | |
| 8021 40 | 8021 40 | 1810 770 | 1810 770 | Processing fee under 37 CFR 1.17(q) | |
| 1809 770 | 1809 770 | 1801 770 | 1801 770 | Submission of Information Disclosure Stmt | |
| 1810 770 | 1810 770 | 1802 900 | 1802 900 | Recording each patent assignment per property (times number of properties) | |
| 1801 770 | 1801 770 | | | Filing a submission after final rejection (37 CFR 1.129(a)) | |
| 1802 900 | 1802 900 | | | For each additional invention to be examined (37 CFR 1.129(b)) | |
| | | | | Request for Continued Examination (RCE) | |
| | | | | Request for expedited examination of a design application | |

Other fee (specify)

*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$) 0

SUBMITTED BY

Name (Print/Type) David D. Stein Registration No. 40,828 Telephone 414-225-9755
Signature Date March 23, 2004

(Complete if applicable)

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

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BOYLE
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INTELLECTUAL PROPERTY LAW

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March 23, 2004

Commissioner for Patents
Mail Stop Patent Application
P.O. Box 1450
Alexandria, VA 22313-1450

EV313042268US

Re: New United States Patent Application
Inventor(s): Mark S. Lutz
Title: ***Refiner Sensor and Coupling Arrangement***
Assignee: J&L Fiber Services, Inc.
Our File: 1174.195

Dear Sir:

Enclosed is a new nonprovisional United States patent application that is 27 pages long, and includes 20 claims and an Abstract of Disclosure. Also enclosed are eight (8) sheets of drawings containing ten (10) drawing figures. An executed Declaration, Assignment, and Assignment Recordation Cover Sheet will be forthcoming. The Commissioner is hereby authorized to charge the nonprovisional patent application filing fee for a large entity to Deposit Account No. 50-11701.

The Commissioner is hereby authorized to charge payment of any additional fees associated with this communication or credit any overpayment to Deposit Account No. 50-11701.

Respectfully submitted,

David D. Stein
Registration No. 40,828

Certification Under 37 CFR 1.10

Express Mail Label No: EV 313042268 US

Date of Deposit: March 23, 2004

I hereby certify that this paper or fee is being deposited with the United States Postal Service in "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to the Commissioner of Patents, Mail Stop Patent Application, PO Box 1450, Alexandria VA 22313-1450

David D. Stein